

# ARC NEWSLETTER

OUR SIXTY SECOND YEAR

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Editor

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Publisher

Meetings: 2nd and 4th Fridays each Month.

Newsletter #9

U. C. Missions Bldg.

Burnham Hall.

222 S. Downey Ave.

8:00 P. M.

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Meeting : November 10, 1978.

AWARDS DINNER To be held at the Heritage House, U. S. 31 and Thompson Rd. Social Hour at 7:00 PM. Smorgasboard Dinner at 7:30 PM. Make reservations not later than Nov. 8th. by calling Mike Williams at 846-6051. Program by Harold Trosper, W9NGS.

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AWARD OF APPRECIATION The IRC annually presents the Award of appreciation to an outstanding Amateur in recognition of his contributing to the State of the Art and to the welfare of Amateur Radio. We usually meet the first meeting date in November at any of the local dining establishments where the XYL's, Guests and members can enjoy an evening out socially as well as participate in the awarding ceremonies and enjoy the program. The Amateur receiving the award is selected by the membership who propose his name in writing together with qualifications for the honor. The Awards Committee then makes the final selection. The Dining Hall is cheerfully decorated by John Jacobs, WB9KSZ, who alone and at no cost to the Club, has done a magnificent job, year after year. Other Award Certificates may also be presented for such items as Best Program of the Year, Chairmanning a Committee. Anyone attaining 50 year membership in the Club is also awarded a Life Membership, free of dues and other assessments. This is not to be confused with the Life Membership available to any member who wishes to prepay ten years membership at current dues.

GIFT AND HOBBY SHOW The Club will participate in this show again this year being held at the State Fairgrounds Manufacturer's Bldg. Starting, Nov. 4th. The exhibits and Station will be set up by members. About a quarter of a million people visit the Show so this is a timely opportunity to let the Public see and learn what Ham Radio is all about and perhaps pick up some Club memberships. Pres. Carender, WB9LID is managing the Scheduling of members who will attend and participate in handing the booth. We need your help and ideas.

PROGRAM REVIEW On October 13th, the membership had the rare opportunity to hear one of our old timers, Winn Clark, W9JIY, discuss recent trends in UHF and VHF antennas and propagation. He demonstrated the Quagi ant, a beam antenna driven by a quad loop and reflector with Yagi type directors. This beam is an excellent performer, having high realized gain and excellent frontal lobe and front to back ratio. Winn demonstrated an anomaly in 2 meter and higher transmission, the standing wave effect of a radio wave in space. The antenna could be moved forward and reverse by a half wavelength as the signal went thru a series of maxima and minima, much like that occurring in a pair of Lecher Wires, which Bill Lueth, W9AI demonstrated with his system. Winn supplied several equations for determining the correct element length, spacing and phasing for maximum antenna gain and directivity. 220Mhz antennas were also included in the talk with a quarter wave vertical ant. for mobile use demonstrated, a cute little job which attaches anywhere to a metal surface on the car by a strong base magnet. Thanks Winn for giving us some new insights into this fascinating area of the state of the Art.



PROGRAM REVIEW Meeting of October 26th. Paul Bohrer, W9DUU. on Synthesizers. Paul has always provided the IRC with many excellent programs and this one was no exception. Paul started basics with handouts for all attending. Binary coded decimal is used in synthesized rigs. This counter counts up the synthesizer till a signal breaks through the squelch, this will stop the counter and with the discriminator stop it right on the center of the signal. other conveniences such as a delay timer determines how long the scanner will stop on channel. When using a transceiver that is synthesized and has acanning. Upon transmit, the transmit circuit outputs a high into the 600 kc. offset logic. This circuit juggles the binary input data to the transceiver control switching, this will enable you to work through repeaters by transmitting on one freq and receiving on another. All in all is was a super interesting program with good demonstrations with Paul's synthesized equipment. THANKS PAUL.

QSY Mike Williams, K9QHO, was transferred by the Natl. Cash Reg. Co. to work in the Kokomo, Ind area handling Field Technical Services. Mike will make the move by Dec. 15th and will reside in Tipton, Ind. on a permanent basis. We all wish you a successful tour in your new parallel promotion and keep in touch with the Indy gang.

ELECTION OF OFFICERS It's time to start thinking about new leadership for the Club. We have a lot of talented and dedicated members who would make fine officers. The success of our hobby depends on a well run Club so get your candidate well in mind. Club rules require that officers shall have has at least one years full membership, to qualify. An up to date list of our roster will be made available for your selection. A committee is usually appointed to get a slate together. Five paid up full members may also submit a slate which is encouraged for a bit of competition and lively balloting.

GRARAGE SALE AND AUCTION November 11th. This is a continuation of the George Lone estate sale, starting at 9 AM. the followed by an Auction at 11 AM. to sell EVERYTHING left, Components, parts, cabinets, chassis, etc. Stock up on many items at 10 cents on the \$. 30 Bankers Lane, 3rd. street west of Emerson Ave. south side of E. Wash. St. The Heath SB-301 and SB-401 pair are still available, contact Mrs Gaither, 356-4893.

FCC AND CALL SIGNS The new program goes into effect Jan. 1, 79 providing Advanced Class people a chance to upgrade (?) their calls when renewing their licenses, exchanging for a 2X2 call, check box 13a on form 610. Do not renew before this date or you will NOT get a new call sign, hold till after January 1, There willbe NO requests for callsigns and EXTRAS will only have a choice of a 2X1 type call after this date, ie no more 1X2.

SILENT KEY Larry Lekashman, ex-W9IOP passed away in Sept 1978. Larry was well known to many of the Indiana fraternity, being a top DXer and invented the Second op, a circular slide rule for finding data on DX Stns. He also originated the CQ DX contests which is held every year. We shall miss this genial op.

QCWA The meeting was held on Oct. 26 in conflict with the scheduled IRC meeting so the turnout was somewhat small and the election of officers was delayed until the next meeting scheduled for the third week of January. There were about 15 at the meeting conducted by Bob Osterhous who is looking for more old timers for membership.

POSSIBLE MOBILE If you happen to hear W9AI/M you may be in contact with Bill Lueth while he is serenly piloting his MOPED down Pleasant Run Pkwy. at 25 MPH while manipulating the rig at the same time. Yup, Bill has joined the IN Generation and now sports one of these snappy one cylinder, rear wheel drive jobs, enjoying 150 miles per gallon (at least) economy. The Arabs are going to hate you ....

MEETING: November 24th. 8:00 PM. Burnham Hall, U. C. Missions Bldg.  
222 S. Downey Ave.

REPEATER NIGHT With representatives from all the repeaters in the area.  
Come and learn all about the repeaters, their operation, rules etc.

December 8th. Annual Meeting and Election of officers.

December 22nd. Annual Christmas Party.

January 12th. Installation of officers. Program to be announced.

January 26th. To be announced.